

## LAMPIRAN 1 SPESIFIKASI PERANGKAT

### 1) SERVER

#### Spesifikasi PC Server HP ML110G7-SATA

Spesifikasi	Keterangan
<i>Processor</i>	Quad Core Intel® Xeon® E3-1220 (3.10GHz/4-core/8MB/80W, 1333, Turbo 1/2/3/4)
RAM	2GB (1x2GB) PC3-10600E DDR3 UB ECC NOTE: Total 4 DIMM slots
Kapasitas Hard Disk	1 x 250GB 3.5" Non-hot plug SATA
<i>Operating System</i>	CentOS 5.5
NIC	10 Gb/detik (2 buah)
VGA	<i>Integrated Matrox G200eH, 16MB video standard</i> 16 bit color: <i>maximum resolution of 1920 x 1200</i> 32 bit color: <i>maximum resolution of 1280 x 1024</i>
<i>Port USB</i>	Ada, 2 x 4 buah <i>port</i>

Sumber: HP, 2014



Gambar Server Proliant

### 2) ROUTER

#### Spesifikasi Router DAP FT-UB

Spesifikasi	Keterangan
CPU	PPC460GT 1000MHz
<i>Main Storage/NAND</i>	64MB
RAM	512MB
<i>SFP Ports</i>	0
<i>LAN Ports</i>	10
<i>Gigabit</i>	Ada
<i>Power Jack</i>	110/220V
<i>RouterOS License</i>	Level6



Gambar Router Juniper

3) Access Point TP-LINK TL-WA701ND

Spesifikasi Access Point TP-LINK TL-WA701ND

Spesifikasi	Keterangan
Standards	IEEE 802.3, 802.3u, 802.11n, 802.11b and 802.11g, TCP/IP, DHCP
Frequency Band	2.4~2.4835GHz
Radio Data Rate	11n : up to 150Mbps (Automatic) 11g : 54/48/36/24/18/12/9/6M (Automatic) 11b <sup>+</sup> 11/5.5/2/1M <sup>+</sup> Automatic <sup>+</sup>
Modulation	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
Storage Temperature	-40 ~70 ( °C °C -40 ~158 °F °F)

Sumber: <http://www.tp-link.com/>, 2014



Gambar Access Point TP-LINK TL-WA701ND

4) Laptop user



Gambar Laptop DELL N 4050 Series

Spesifikasi Laptop

Spesifikasi	Keterangan
<i>Processor</i>	Intel Core i5
RAM	4 GB
<i>Graphics</i>	Intel GMA
NIC Wireless	Dell K5Y6D PCI Halfmini

Sumber: Dell, 2014

## 5) NIC

### Spesifikasi NIC Server Intel 82574 NIC

Spesifikasi	Keterangan
<i>Data Rate</i>	40 Gbps full duplex, dual ports
<i>Memory</i>	256 MB
Jumlah port	2
Dimensi	7.63 x 11.1 x 1.25 in
<i>Interface</i>	PCI Express x8
<i>Form Factor</i>	Plug-in Card

Spesifikasi NIC untuk mode *wireless* pada laptop user ditunjukkan tabel 4.7.

### NIC User

Spesifikasi	Keterangan
<i>Data Rate</i>	270 Mbps
Tipe <i>Wi-Fi</i>	IEEE 802.11a/b/g/n
<i>Operating Frequency</i>	2,4 GHz dan 5 GHz
<i>Interface</i>	PCI Express Half Mini Card
<i>Form Factor</i>	Plug-in Card

## 6) UTP Cable

### Spesifikasi Kabel UTP RJ-45

Spesifikasi	Keterangan
Panjang	35 meter
Impedansi Karakteristik	100 Ohm +/- 15%
Kecepatan Propagasi	0.64c
Delat Propagasi	4.8-5.3 ns/m
Kapasitansi	52pF/m
Induktansi	525nH/m
Diameter Kabel	0.51054 mm
Ketebalan Isolasi	0.245 mm
Merk	BELDEN Cat 5
Temperatur Kerja	-55 <sup>0</sup> C ~ 60 <sup>0</sup> C

## 7) UPS

### Spesifikasi UPS

Spesifikasi	Keterangan
<i>Output Power Capacity</i>	700 Watts / 1000 VA
<i>Nominal Output Voltage</i>	230V
<i>Output Voltage Note</i>	<i>Configurable for 220 : 230 or 240 nominal output voltage</i>
<i>Efficiency at Full Load</i>	88.0%
<i>Waveform Type</i>	<i>Sine wave</i>
<i>Nominal Input Voltage</i>	230V, 220V, 240V
<i>Input Frequency</i>	50/60 Hz +/- 5 Hz ( <i>auto sensing</i> )
<i>Typical recharge time</i>	3 hour(s)



Gambar UPS

